

# Report to the Auburn City Council

Action Item

Agenda Item No.

City Manager's Approval

To:

Mayor and City Council Members

From:

Jack Warren, Director of Public Works/City Engineer

By:

Bernie Schroeder, Engineering Division Manager

Date:

March 23, 2008

Subject:

Diesel Smog Retrofit - Sewer System Maintenance Equipment

### <u>The Issue</u>

Shall the City continue its effort to maintain compliance with the new diesel emission regulations by retrofitting the sanitary sewer collection system cleaning equipment?

### **Conclusions and Recommendation**

Staff recommends that City Council, by **RESOLUTION**, authorize the purchase of a replacement front and rear auxiliary engine and particle trap for the 1997 sewer vactor vehicle.

### Background

The City operates all of it diesel burning engines under permit by the Placer County State Air Resources Control Board. In order to remain in compliance with the State Air Resources Control Board the City is required to implement a retrofit program for our fleet that will meet the December 31, 2009 date for diesel equipment to be changed to cleaner burning engines. A copy of the City's Fleet Compliance Schedule is also attached for the Council's reference. The other option is that any equipment not meeting these regulations must be taken out of service. There were a total of three phases to the retrofit project for the PW#72-1997 Vactor. The first one was repowering of the front auxiliary engine. The second phase is repowering the rear auxiliary engine and the third is installation of a particle trap on the front engine. The City Staff has anticipated this program and budgeted \$64,000 in the Sewer Enterprise Fund to cover these expenditures.

The sewer vactor truck is used to clean and maintain the sewer collection and storm drain systems.

Attached is the proposed replacement equipment requested with specifications and cost of repowering (retrofitting). In addition, The City's Lead Mechanic has provided his recommendation regarding this retrofit project. Multiple bids were solicted and evaluated as part of staff's recommendation.

### Alternatives Available to Council; Implications of Alternatives

- 1. Authorize the purchase of the replacement equipment.
- 2. Take no action.

### Fiscal Impact

Funding for this purchase is reflected in the 2008-2009 Sewer Fund #11 under Capital Projects, Vactor Truck Repower with an original budget of \$64,000. The actual costs for all of the necessary work will not exceed \$50,000.

### Budget Reference

2008-09 Approved Operating Budget, Sewer Enterprise Fund #11 - Capital Expenditure (Vactor Truck Repower) Pages 60-61.

### Attachments:

March 13, 2009 Memo from Curtis Simpson, Lead Mechanic Resolution for Purchase and Compliance Schedule



# Memorandum

# City of Auburn Public Works Department

To: Bernie Schroeder

From: Curtis Simpson

Date: 3/13/09

Subject: # SEW-4 Diesel smog retrofit program

As directed by Andy Heath I've bundled this cover sheet with several current bids that will explain along, with giving costs, the necessity of finishing the last two steps of the retrofit process on our 1997 sewer Vactor (SEW-4) When finished the truck will be in compliance with all the new diesel emission regulations and can be used after December 31 2009. According to the rules in place today this unit will be in compliance for the foreseeable future.

The current permit for the existing auxiliary diesel engine on this truck expires on December 31 2009 and to reregister it requires us to upgrade to a ter 3 engine.

In order for the City of Auburn to stay on schedule in our efforts to comply with the mandate state wide diesel particulate emissions standards we must retrofit the newly installed propulsion engine with a particle trap similar to the one we installed on P.W. 40 (1993 GMC dump truck).

I've included two bids from Sacramento firms that furnish parts and do installations on the particle traps. I think it wise to have Cummins West install the Cleire Air Vista particle trap because they installed the replacement propulsion engine. This would avoid any possible warranty conflict and the quote was slightly cheaper than the one from A to Z Bus.

Also included are two bids for the replacement auxiliary engine. I propose that we go with Valley Powers proposal. The current engine on SEW-4 is a Perkins diesel which has preformed well. My experience with Perkins diesels in the past has been good. So I have no reservations about going with their lower bid.

Curtis Simpson Lead Mechanic.



# Valley Power North, Inc.

855 Stillwater Road West Sacramento, Ca. 95691 Phone (916) 372-5078 (916) 372-2721 Fax

2/20/2009

DATE:

**Estimate of Repairs** 

City of Auburn, Public Works Account # 004690

Attn: Curt Simpson Labor Rate

Attn: Curt Simpson	Labor Rate =	\$115.00
	Sales Tax =	
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	FREIGHT	\$0.00
	MISC.	\$0.00
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If approved allows in a	Total	\$10,451.51
If approved, please sign & return fax. Thank you.		

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## A-Z BUS SALES, Emissions Solutions Group 3418 52nd Ave Sacramento, Ca. 95823

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Customer Information -	Name:		C	ity of Aut	ourn		
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					Freight	\$ 50	0.00
			Placer Co	ounty	Tax	\$ 1,251	.42
Il quotations good for 90 dove			• ,		Grand total	\$ 22,062	.42

1	RESOLUTION NO. 09-
2	DISEL SMOG RETROFIT - SEWER SYSTEM MAINTENANCE EQUIPMENT
3	
4	THE CITY COUNCIL OF THE CITY OF AUBURN DOES HEREBY RESOLVE:
5	That the City Council of the City of Auburn does hereby authorize the
6	purchase of a replacement front and rear auxiliary engines and particle trap for
7	the 1997 sewer vactor equipment.
8	
9	DATED: March 23, 2009
10	1 M. Miko Holmon Mayor
11	J. M. Mike Holmes, Mayor ATTEST:
12	
13	Joseph G. R. Labrie, City Clerk
14	
15	I, Joseph G. R. Labrie, City Clerk of the City of Auburn, hereby certify
16	that the foregoing resolution was duly passed at a regular meeting of the City
17	Council of the City of Auburn held on the 23 <sup>th</sup> day of March 2009 by the following vote on roll call:
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19	Ayes: Noes:
20	Absent:
21	Joseph G. R. Labrie, City Clerk
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# Public Agencies and Utilities Recordkeeping Forms

Company Name:

City of Auburn

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